

Amendments to the Claims

This listing of claims will replace all prior versions, and
listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A textile construction-(1), comprising:
a conductive elastomeric material (20)—suitable for converting
an interaction therewith into a signal; and
an actuator (30)—cooperative with said conductive elastomeric
material (20) to provide including an intuitive user interface
(10)configured for user interaction.
2. (Currently amended) The textile construction (1) of claim 1,
wherein one or more characteristics of said conductive elastomeric
material (20)—change in response to said interaction.
3. (Currently amended) The textile construction (1) of claim 1,
wherein said conductive elastomeric material (20) has piezoelectric
characteristics.
4. (Currently amended) The textile construction (1) of claim 1,

wherein said conductive elastomeric material (20) is comprises one or more of a polypyrrole/lycra, a polypyrrole/nylon, a polypyrrole/polyester, or any other conjugated polymer, or ion- implanted polymer, or any combination of the same.

5. (Currently amended) The textile construction (1) of claim 1, wherein said conductive elastomeric material (20) can have one or more of the following: a flexible metal coated fabric including woven, non-woven, and/or knit, filaments, foils, and yarns, a conductive polymer coated fiber/fabric, a conductive graphitized fiber/fabric, or and a conductive gel coated fiber/fabric, and or any combination of the same.

6. (Currently amended) The textile construction (1) of claim 1, wherein said actuator (30) is formed from a relatively rigid material.

7. (Currently amended) The textile construction (1) of claim 1, wherein said actuator (30) is formed from one or more of a plastic or and rubber-or some combination thereof.

8. (Currently amended) The textile construction (1) of claim 1, wherein said actuator (30) is cooperative with said conductive elastomeric material (20).

9. (Currently amended) The textile construction (1) of claim 1, wherein one or more characteristics of said conductive elastomeric material (20) change in proportional response to said interaction, said interaction causing one or more areas (25) of said conductive elastomeric material (20) to be displaced.

10. (Currently amended) A multi-direction proportional input device, comprising:

a conductive elastomeric textile construction (1) having including an intuitive user interface (10) configured for user interaction,

wherein said intuitive user interface (10) has an actuator (30) cooperative with one or more conductive areas (25).

11. (Currently amended) The multi-direction proportional input device of claim 10, wherein one or more characteristics of said one or more conductive areas (25) change in response to an interaction

via said actuator-(30).

12. (Currently amended) The multi-direction proportional input device of claim 10, wherein said interface ~~(10)~~ is connected to a textile surface-(5).

13. (Currently amended) The multi-direction proportional input device of claim 10, wherein said interface ~~(10)~~ is integral with a textile surface-(5)..

14. (Currently amended) The multi-direction proportional input device of claim 11, wherein any relative movement of said one or more conductive areas ~~(25)~~ is detectable via said change in the characteristics thereof.

15. (Currently amended) The multi-direction proportional input device of claim 14, wherein a displacement ratio between said one or more conductive areas ~~(25)~~ is used to quantify the degree of said interaction and/or to quantify the speed or rate of said interaction.

16. (Currently amended) A garment having the input device of claim 15.

17. (Currently amended) A garment having the input device of claim 10, said input device being suitable for use in a variety of different-wearable electronic applications and/or for accomplishing application including one or more different complex functionalities requiring proportional input.

18. (Currently amended) A method for forming a multi-direction input device, comprising the steps acts of:

fashioning an interface (10) from a conductive elastomeric textile, said interface (10) having including an actuator (30) for cooperating with one or more conductive areas (25) of said interface (10).

19. (Currently amended) The method of claim 18, further comprising the step an act of connecting said interface (10) with a garment or upholstery cooperative with one or more electronic devices and/or systems.

20. (Currently amended) The method of claim 18, wherein said interface (10) is integral to a garment or upholstery suitable for cooperating with one or more electronic devices and/or systems.